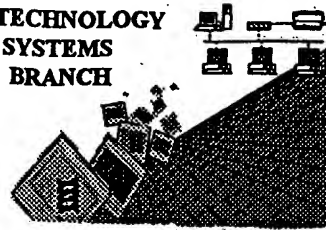


#9

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/714,409  
Source: 1632  
Date Processed by STIC: 3/14/02

RECEIVED

MAR 25 2002

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



Does Not Comply  
Corrected Diskette Needed

1632

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/714,409

DATE: 03/14/2002

TIME: 14:14:04

Input Set : A:\ONYX1033-US.ST25.txt

Output Set: N:\CRF3\03142002\I714409.raw

The type of errors shown exist throughout  
the Sequence Listing. Please check subsequent  
sequences for similar errors.

RECEIVED

MAR 25 2002

TECH CENTER 1600/2900

3 <110> APPLICANT: Johnson, Leisa  
4 Fattaey, Ali  
5 Hermiston, Terry  
7 <120> TITLE OF INVENTION: An Oncolytic Adenovirus  
9 <130> FILE REFERENCE: ONYX1033-US  
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/714,409  
13 <141> CURRENT FILING DATE: 2000-11-14  
15 <150> PRIOR APPLICATION NUMBER: US 60/165,638  
17 <151> PRIOR FILING DATE: 1999-11-15  
19 <160> NUMBER OF SEQ ID NOS: 25  
21 <170> SOFTWARE: PatentIn version 3.1  
23 <210> SEQ ID NO: 1  
25 <211> LENGTH: 35  
27 <212> TYPE: DNA  
29 <213> ORGANISM: XhoI  
31 <400> SEQUENCE: 1  
32 gctggtgccg tctcgagtgg tgttttttta atagg  
35 <210> SEQ ID NO: 2  
37 <211> LENGTH: 35  
39 <212> TYPE: DNA  
41 <213> ORGANISM: XhoI  
43 <400> SEQUENCE: 2  
44 cctattaaaa aaacaccact cgagacggca ccagc  
47 <210> SEQ ID NO: 3  
49 <211> LENGTH: 26  
51 <212> TYPE: DNA  
53 <213> ORGANISM: SpeI  
55 <400> SEQUENCE: 3  
56 gggcggagta actagtatgt gttggg  
59 <210> SEQ ID NO: 4  
61 <211> LENGTH: 26  
63 <212> TYPE: DNA  
65 <213> ORGANISM: SpeI  
67 <400> SEQUENCE: 4  
68 cccaacacat actagttact ccgccc  
71 <210> SEQ ID NO: 5  
73 <211> LENGTH: 37  
75 <212> TYPE: DNA  
77 <213> ORGANISM: SpeI-E2F1P  
79 <400> SEQUENCE: 5  
80 gtgagcacta gtcgcctggt accatccgga caaagcc  
83 <210> SEQ ID NO: 6  
85 <211> LENGTH: 34

invalid - can only be Artificial Sequence, Unknown,  
or Genus/Species  
See error summary sheet, item 10

- same error

35

35

26

26

37

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/714,409

DATE: 03/14/2002

TIME: 14:14:04

Input Set : A:\ONYX1033-US.ST25.txt

Output Set: N:\CRF3\03142002\I714409.raw

87 <212> TYPE: DNA  
 89 <213> ORGANISM: XhoI-E2F1  
 91 <400> SEQUENCE: 6  
 92 gtgagcctcg agctcgatcc cgctccgccc ccgg 34  
 95 <210> SEQ ID NO: 7  
 97 <211> LENGTH: 31  
 99 <212> TYPE: DNA  
 101 <213> ORGANISM: d1922/47  
 103 <400> SEQUENCE: 7  
 104 gctaggatcc gaagggattg acttactcac t 31  
 107 <210> SEQ ID NO: 8  
 109 <211> LENGTH: 31  
 111 <212> TYPE: DNA  
 113 <213> ORGANISM: d1922/47  
 115 <400> SEQUENCE: 8  
 116 gctagaattc ctcttcaccc tcgtcgtcac t 31  
 119 <210> SEQ ID NO: 9  
 121 <211> LENGTH: 20  
 123 <212> TYPE: DNA  
 125 <213> ORGANISM: E2F-1 Promoter in E4 Region → belongs in 22237  
 127 <400> SEQUENCE: 9  
 128 ggtgacgtag gttttagggc 20  
 131 <210> SEQ ID NO: 10  
 133 <211> LENGTH: 21  
 135 <212> TYPE: DNA  
 137 <213> ORGANISM: E2F-1 Promoter in E4 Region  
 139 <400> SEQUENCE: 10  
 140 gccataacag tcagccttac c 21  
 143 <210> SEQ ID NO: 11  
 145 <211> LENGTH: 35  
 147 <212> TYPE: DNA  
 149 <213> ORGANISM: BamHI-E2F1P Primer  
 151 <400> SEQUENCE: 11  
 152 gtgagcggat ccgctcgatc ccgctccgcc ccgg 35  
 155 <210> SEQ ID NO: 12  
 157 <211> LENGTH: 37  
 159 <212> TYPE: DNA  
 161 <213> ORGANISM: HindIII-E2F1P  
 163 <400> SEQUENCE: 12  
 164 gtgagcaagc ttgcctgggt accatccgga caagcc 37  
 167 <210> SEQ ID NO: 13  
 169 <211> LENGTH: 31  
 171 <212> TYPE: DNA  
 173 <213> ORGANISM: EcoXC1 Primer present in pBR322  
 175 <400> SEQUENCE: 13  
 176 cgcggaattc ttttgattg aagccaatat g 31  
 179 <210> SEQ ID NO: 14  
 181 <211> LENGTH: 30  
 183 <212> TYPE: DNA

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/714,409

DATE: 03/14/2002

TIME: 14:14:04

Input Set : A:\ONYX1033-US.ST25.txt

Output Set: N:\CRF3\03142002\I714409.raw

185 <213> ORGANISM: (ExoXC1) (Primer present in pBR322)

187 <400> SEQUENCE: 14

188 cagtcgccgt gtcggatccg ctccggaggag 30

191 <210> SEQ ID NO: 15

193 <211> LENGTH: 30

195 <212> TYPE: DNA

197 <213> ORGANISM: (Bsr-Bam) (Primer)

199 <400> SEQUENCE: 15

200 ctccctccgag cggatccgac accggggactg 30

203 <210> SEQ ID NO: 16

205 <211> LENGTH: 30

207 <212> TYPE: DNA

209 <213> ORGANISM: (E1A.Xba) (Primer)

211 <400> SEQUENCE: 16

212 gcggggaccac cgggtgtatc tcaggagggtg 30

215 <210> SEQ ID NO: 17

217 <211> LENGTH: 20

219 <212> TYPE: DNA

221 <213> ORGANISM: (E1A.Xba)

223 <400> SEQUENCE: 17

224 gcattctcta gacacagggtg 20

227 <210> SEQ ID NO: 18

229 <211> LENGTH: 25

231 <212> TYPE: DNA

233 <213> ORGANISM: (Ad5-left) (Primer)

235 <400> SEQUENCE: 18

236 gggcgtaacc gagtaagatt tggcc 25

239 <210> SEQ ID NO: 19

241 <211> LENGTH: 31

243 <212> TYPE: DNA

245 <213> ORGANISM: (E1Astart.NC)

247 <400> SEQUENCE: 19

248 ggcagataat atgtctcatt ttcagtcccg g 31

251 <210> SEQ ID NO: 20

253 <211> LENGTH: 31

255 <212> TYPE: DNA

257 <213> ORGANISM: (Af-7) (Primer)

259 <400> SEQUENCE: 20

260 gctaggatcc gaagggttg acttactcac t 31

263 <210> SEQ ID NO: 21

265 <211> LENGTH: 31

267 <212> TYPE: DNA

269 <213> ORGANISM: (Af-5) (Primer)

271 <400> SEQUENCE: 21

272 gctagaattc ctcttcatcc tcgtcgtcac t 31

275 <210> SEQ ID NO: 22

277 <211> LENGTH: 21

279 <212> TYPE: DNA

281 <213> ORGANISM: (E4.3NCb) (Primer)

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/714,409

DATE: 03/14/2002

TIME: 14:14:04

Input Set : A:\ONYX1033-US.ST25.txt

Output Set: N:\CRF3\03142002\I714409.raw

283 <400> SEQUENCE: 22  
284 gccataacag tcagccttac c 21  
287 <210> SEQ ID NO: 23  
289 <211> LENGTH: 20  
291 <212> TYPE: DNA  
293 <213> ORGANISM: Ad5-3 Primer  
295 <400> SEQUENCE: 23  
296 ggtgacgtag gtttttagggc 20  
299 <210> SEQ ID NO: 24  
301 <211> LENGTH: 24  
303 <212> TYPE: DNA  
305 <213> ORGANISM: E3.C8 Primer  
307 <400> SEQUENCE: 24  
308 cctttatcca gtgcattgac tggg 24  
311 <210> SEQ ID NO: 25  
313 <211> LENGTH: 20  
315 <212> TYPE: DNA  
317 <213> ORGANISM: E3I Primer  
319 <400> SEQUENCE: 25  
320 ggagaaagtt tgcagccagg 20

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/714,409

DATE: 03/14/2002

TIME: 14:14:05

Input Set : A:\ONYX1033-US.ST25.txt

Output Set: N:\CRF3\03142002\I714409.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number